

Sup 17/6/05

Work Order ID 58447

May 7, 2010 10:07:29 AM



Item ID: D412-702-343

Accept



Setup Start



Revision ID:

Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Stop



Start Date: 07/05/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 14/05/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

[Signature]

Date: 10-5-07

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

DSI9511

A

100



DC

Document Control

DOCUMENT CONTROL

0.00

Memo

0.00

Photocopy bluefile & type labels per PPP D412-702-343 CHG001

S 10/05/17

10-5-14 BG 10/05/17

105



Packaging

Packaging

Pick Kit

0.00

Memo

0.00

10-5-14 (1x) SP

110



QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

Memo

0.00

S 10/05/17

(4x)

Work Order ID 58447

May 7, 2010 10:07:29 AM



Page 2

Item ID: D412-702-343

Accept



Setup Start



Revision ID:

Stop



Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Start Date: 07/05/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 14/05/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120



Packaging

Packaging

0.00

Memo

0.00

Identify and pack for shipping as per PPP D412-702-343

Location:

PPP Rev:

130



QC

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Quality Control

10/05/17

W 6005.17

Picklist Print

May 7, 2010 10:07:33 AM

Page 1

Work Order ID: 58447

Parent Item: D412-702-343

Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Comments: IPP Rev:A new issue DD 10.04.30 verified:EC

Start Date: 07/05/2010

Required Date: 14/05/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
S D412-702-301 Harness Assembly	21	Manufactured	No			105	Each	0.0000	1			
S D412-702-303 Harness Assembly	41	Manufactured	No			105	Each	0.0000	1			
S D412-702-305 Harness Assembly	21	Manufactured	No			105	Each	0.0000	1			
S D412-702-307 Harness Assembly	41	Manufactured	No			105	Each	0.0000	1			
S D412-702-309 Harness Assembly	41	Manufactured	No			105	Each	0.0000	1			
S D412-702-059 Grommet	21	Manufactured	No			105	Each	11.0000	1			

B58452 10-5-MS

B58454 10-5-MS

B58449 10-5-175

B58453 10-5 SP

B58455 10-5 SP

10-5-14 SP

10-5-14 SP

5

Location

FG122

Loc Qty

11

10

1

Loc Code

55670

57202

Location

ST245

Loc Qty

3

3

Loc Code

57662

D3761-1-041

HOOK & LOOP STRIP

Manufactured No

105

Each

3.0000

5

Picklist Print

May 7, 2010 10:07:33 AM

Page 2

Work Order ID: 58447

Parent Item: D412-702-343

Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Comments: IPP Rev:A new issue DD 10.04.30 verified:EC

Start Date: 07/05/2010

Required Date: 14/05/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
D3542-1 Bracket		Manufactured	No			105	Each	13.0000	2			

Location

Loc Qty

Loc Code

ST245

13

32606

2

47140

3

51309

8

Manufactured No

105

Each

17.0000

3

2

10-5-14 SL

Location

Loc Qty

Loc Code

ST245A

17

47141

7

57226

10

Manufactured No

105

Each

18.0000

2

3

10-5-14 SL

Location

Loc Qty

Loc Code

ST245A

18

57227

8

57363

10

Manufactured No

105

Each

110.0000

6

2

10-5-14 SL

Location

Loc Qty

Loc Code

ST244A

110

51640

2

52071

108

6

May 7, 2010 10:07:33 AM

Shop Packet Print

Page 2

Picklist Print

May 7, 2010 10:07:33 AM

Page 3

Work Order ID: 58447

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Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Comments: IPP Rev:A new issue DD 10.04.30 verified:EC

Start Date: 07/05/2010

Required Date: 14/05/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
D3610-041 Bracket		Manufactured	No			105	Each	15.0000	2			
<div> <div>Location</div> <div>ST244A</div> <div>47144</div> </div> <div> <div>Loc Qty</div> <div>15</div> <div>15</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>												
D3618-1 CAP		Manufactured	No			105	Each	84.0000	2			
<div> <div>Location</div> <div>ST244A</div> <div>55669</div> </div> <div> <div>Loc Qty</div> <div>84</div> <div>84</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>												
AN4-10A Bolt		Purchased	No			105	Each	155.0000	4			
<div> <div>Location</div> <div>ST356</div> <div>111425</div> <div>112969</div> <div>113422</div> <div>114523</div> </div> <div> <div>Loc Qty</div> <div>155</div> <div>4</div> <div>1</div> <div>50</div> <div>100</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>												
AN4-44A Bolt		Purchased	No			105	Each	94.0000	2			
<div> <div>Location</div> <div>ST360</div> <div>104806</div> </div> <div> <div>Loc Qty</div> <div>94</div> <div>94</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>												

May 7, 2010 10:07:33 AM

Shop Packet Print

Page 3

Picklist Print

May 7, 2010 10:07:33 AM

Page 4

Work Order ID: 58447

Parent Item: D412-702-343

Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Comments: IPP Rev:A new issue DD 10.04.30 verified:EC

Start Date: 07/05/2010

Required Date: 14/05/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
MS24693-S274 Screw	+2	Purchased	No			105	Each	20.0000	2			
<div> <div>Location</div> <div>ST288</div> <div>108560</div> </div> <div> <div>Loc Qty</div> <div>20</div> <div>20</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>												
MS24694-S56 SCREW	+3	Purchased	No			105	Each	131.0000	3			
<div> <div>Location</div> <div>ST289A</div> <div>104407</div> </div> <div> <div>Loc Qty</div> <div>131</div> <div>131</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>												
MS24694-S58 Screw	+2	Purchased	No			105	Each	144.0000	2			
<div> <div>Location</div> <div>ST289A</div> <div>104407</div> </div> <div> <div>Loc Qty</div> <div>144</div> <div>144</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>												
MS24694-S60 Screw	+1	Purchased	No			105	Each	123.0000	1			
<div> <div>Location</div> <div>ST289A</div> <div>104407</div> </div> <div> <div>Loc Qty</div> <div>123</div> <div>123</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>												
AN960JD416 Washer	+6	Purchased	No			105	Each	0.0000	6			
<div> <div>Location</div> <div>ST289A</div> <div>104407</div> </div> <div> <div>Loc Qty</div> <div>123</div> <div>123</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>												

10-5-14 sl

2

10-5-14 sl

3

10-5-14 sl

2

10-5-14 sl

1

11/14576 10-5-14 sl

May 7, 2010 10:07:33 AM

Shop Packet Print

Page 4

Picklist Print

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Page 5

Work Order ID: 58447

Parent Item: D412-702-343

Parent Item Name: 5-Man Fwd Facing Shoulder Harness, 3 point

Comments: IPP Rev:A new issue DD 10.04.30 verified:EC

Start Date: 07/05/2010

Required Date: 14/05/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
AN960JD416L Washer		Purchased	No			105	Each	465.0000	4			

Location

Loc Qty

Loc Code

ST346

465

110153

465

105

Each

2,456.000

6

MS21042L4

Nut

Purchased

No

Location

Loc Qty

Loc Code

ST139

2

111827

2

ST300

2098

113422

96

114523

1994

9063

8

ST463

356

114416

356

105

Each

88.0000

12

CR3212-4-4

Cherry Rivet

Purchased

No

Location

Loc Qty

Loc Code

ST311

88

111359

88

May 7, 2010 10:07:33 AM

Shop Packet Print

Page 5

PARTS LIST

REFERENCE ONLY

TABLE 2

QTY -341	QTY -342	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
X						D412-702-341	Dart 13-Man 3-Point Shoulder Harness Kit
	X					D412-702-343	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
		X				D412-702-345	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
			X			D412-702-347	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
				X		D412-702-349	Dart 1-Man 3-Point Forward Shoulder Harness Kit
					X	D412-702-351	Dart 1-Man 3-Point Shoulder Harness Kit
1	1		1	1		D412-702-059	GROMMET KIT
9	1		4	1	1	D3761-1-041	HOOK AND LOOP STRIP (DSI 9408)
2	1		1			D412-702-301	HARNESS ASSEMBLY (NEW)
1*	1*		1*			D3573-7	ADAPTER
1	1		1*			D4088-041	SHOULDER HARNESS (NEW)
4*	4*		4*			MS24693S272	SCREW
4*	4*		4*			AN960JD10LL	WASHER
4*	4*		4*			MS21042L3	NUT
2	1		1			D412-702-303	HARNESS ASSEMBLY (NEW)
1*	1*		1*			D3573-8	ADAPTER
1*	1*		1*			D4088-041	SHOULDER HARNESS (NEW)
4*	4*		4*			MS24693S272	SCREW
4*	4*		4*			AN960JD10LL	WASHER
4*	4*		4*			MS21042L3	NUT
1	1			1		D412-702-305	HARNESS ASSEMBLY (NEW)
1*	1*			1*		D3573-1	ADAPTER
1*	1*			1*		D4088-041	SHOULDER HARNESS (NEW)
1*	1*			4*		MS24693S273	SCREW
1*	1*			4*		AN960JD10LL	WASHER
1*	1*			4*		MS21042L3	NUT
1	1				1	D412-702-307	HARNESS ASSEMBLY (NEW)
1*	1*				1*	D3573-3	ADAPTER
1*	1*				1*	D4088-041	SHOULDER HARNESS (NEW)
1*	1*				4*	MS24693S272	SCREW
4*	4*				4*	AN960JD10LL	WASHER
4*	4*				4*	MS21042L3	NUT
1	1					D412-702-309	HARNESS ASSEMBLY (NEW)
1*	1*					D3573-3	ADAPTER
1*	1*					D4088-041	SHOULDER HARNESS (NEW)
4*	4*					MS24693S272	SCREW
4*	4*					AN960JD10LL	WASHER
4*	4*					MS21042L3	NUT

* denotes that part is included in assembly above

continued next page...

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH 1
DAO # 01-041

APPROVED
By: *[Signature]*
J. SHERWOOD (DE # 02)

DATE: 10.03.22
CERT: 10.03.22
ISSUE: 10.03.22

DESIGN	<i>99</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	<i>99</i>	
CHECKED	<i>1</i>	DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9511 SHEET 3 OF 6
APPROVED	<i>10</i>	TITLE SCALE
DE APPR.	<i>11</i>	NEW SHOULDER HARNESS KITS NTS
DATE	10.03.18	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS ORIGINALLY COMMUNICATED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:			WORK ORDER NON-CONFORMANCE (NCR)					
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

...continued from previous page

QTY -341	QTY -342	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
1		1				D412-702-311	HARNESS ASSEMBLY (NEW)
1*		1*				D3570-1	BRACKET
1*		1*				D4088-043	SHOULDER HARNESS (NEW)
4*		4*				MS24694S50	SCREW
4*		4*				AN960JD10L	WASHER
4*		4*				MS21042L3	NUT
1		1				D412-702-313	HARNESS ASSEMBLY (NEW)
1*		1*				D3570-2	BRACKET
1*		1*				D4088-043	SHOULDER HARNESS (NEW)
4*		4*				MS24694S50	SCREW
4*		4*				AN960JD10L	WASHER
4*		4*				MS21042L3	NUT
1		1				D412-702-315	HARNESS ASSEMBLY (NEW)
1*		1*				D3573-5	ADAPTER
1*		1*				D4088-041	SHOULDER HARNESS (NEW)
4*		4*				MS24693S272	SCREW
4*		4*				AN960JD10LL	WASHER
4*		4*				MS21042L3	NUT
1		1				D412-702-317	HARNESS ASSEMBLY (NEW)
1*		1*				D3573-5	ADAPTER
1*		1*				D4088-041	SHOULDER HARNESS (NEW)
4*		4*				MS24693S272	SCREW
4*		4*				AN960JD10LL	WASHER
4*		4*				MS21042L3	NUT
1		1				D412-702-321	HARNESS ASSEMBLY (NEW)
1*		1*				D3570-3	BRACKET
1*		1*				D4088-043	SHOULDER HARNESS (NEW)
4*		4*				MS24694S50	BOLT
4*		4*				AN960JD10L	WASHER
4*		4*				MS21042L3	NUT
1		1				D412-702-323	HARNESS ASSEMBLY (NEW)
1*		1*				D3570-4	BRACKET
1*		1*				D4088-043	SHOULDER HARNESS (NEW)
4*		4*				MS24694S50	BOLT
4*		4*				AN960JD10L	WASHER
4*		4*				MS21042L3	NUT

* denotes that part is included in assembly above

continued next page...

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-0-C1

APPROVED
[Signature]

BY: *[Signature]*
D. S. REP. E. D. (DE 702)

DATE: 10.03.02
CERT. NO.: 5804.7
ISSUE NO.: 1

DESIGN	97	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	97		
CHECKED	1	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9511	SHEET 4 OF 6
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	NEW SHOULDER HARNESS KITS	NTS
DATE	10.03.18	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR DISCLOSED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:			WORK ORDER NON-CONFORMANCE (NCR)					
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

...continued from previous page

QTY -341	QTY -343	QTY -345	QTY -347	QTY -349	QTY -351	Part Number	Description
2	2					D3542-1	BRACKET
7	5		4	1		D3571-1	GUIDE
2	2					D3571-3	GUIDE
2		2				D3572-041	GUIDE ASSEMBLY
12	6		6	2		D3578-041	DOUBLER
2	2					D3610-041	BRACKET
2	2					D3618-1	CAP
4	4					AN4-10A	BOLT
2		2				AN4-16A	BOLT
4		4				AN4-25A	BOLT
4		4				AN4-27A	BOLT (DSI 9469)
2	2					AN4-44A	BOLT
2	2					MS24693S274	SCREW
3	3			1		MS24694S56	SCREW
10	2		8			MS24694S58	SCREW
1	1			1		MS24694S60	SCREW
25	6	20				AN960JD416	WASHER
4	4					AN960JD416L	WASHER
12	6	6				MS21042L4	NUT
24	2		12	4		CR3212-4-4	RIVET

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAG 8010-01

APPROVED
BY: *[Signature]*
D. SHEPHERD (E #02)

DATE: 10.03.18
CERT. NO: 18547
ISSUE NO: 1

DESIGN	92	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	92	
CHECKED	1	DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9511 SHEET 5 OF 6
APPROVED	160	TITLE SCALE
DE APPR.	TH	NEW SHOULDER HARNESS KITS NTS
DATE	10.03.18	COPYRIGHT © 2015 BY DART AEROSPACE LTD
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W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries